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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/169,048	10/08/1998	WILLIAM D. HUSE	P-IX-3280	5187

23601 7590 08/15/2002

CAMPBELL & FLORES LLP
4370 LA JOLLA VILLAGE DRIVE
7TH FLOOR
SAN DIEGO, CA 92122

EXAMINER

BAKER, MAURIE GARCIA

ART UNIT PAPER NUMBER

1627

DATE MAILED: 08/15/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/169,048

Applicant(s)

Huse et al

Examiner

Maurie Garcia Baker, Ph. D.

Art Unit

1627

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ONE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on Jun 17, 2002

2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 10-45 is/are pending in the application

4a) Of the above, claim(s) 19-38 is/are withdrawn from consideration

5) ☐ Claim(s) _____ is/are allowed.

6) ☐ Claim(s) _____ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☒ Claims 10-18 and 39-45 are subject to restriction and/or election requirements.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

4) ☐ Interview Summary (PTO-413) Paper No(s). _____

2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

5) ☐ Notice of Informal Patent Application (PTO-152)

3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____

6) ☐ Other: _____

DETAILED ACTION***Continued Prosecution Application***

1. The request filed on June 17, 2002 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/169,048 is acceptable and a CPA has been established. An action on the CPA follows.
2. In the request filed on June 17, 2002 for a CPA, applicant requests that the previously unentered amendment filed February 15, 2002 be entered. This amendment cancels claims 1-9, amends claims 10, 11, 13, 14, 17 & 18 and adds claims 40-45. Thus, claims 10-45 are currently pending.
3. See MPEP 819, reproduced in part below:

Where an application filed under 37 CFR 1.53(d), a continued prosecution application (CPA), is a continuation and not a divisional, or where an application filed under former 37 CFR 1.62, File Wrapper Continuation (FWC), is a continuation and not a divisional or C-I-P, an express election made in the prior application in reply to a restriction requirement carries over to the CPA or FWC application unless otherwise indicated by applicant. Where there is no indication in the CPA or FWC application that a change in election is desired, the examiner's first action should include a repetition of the restriction requirement made in the prior application to the extent it is still applicable in the CPA or FWC application and a statement that prosecution is being continued on the invention elected and prosecuted by applicant in the prior application. Examples of what is meant by the phrase "otherwise indicated by applicant" would be where the CPA or FWC is filed as (1) a divisional or (2) a continuation and includes an amendment filed prior to first action in the CPA or FWC adding claims to an invention not previously elected. In each of these examples the examiner should make a new restriction requirement in the first action.
4. Applicant has filed the instant CPA as a continuation. Thus the previously elected group (Group II) is still deemed to be under examination. However, applicant has amended

the claims of the group as well as added claims to specific species. As no election has been indicated, the examiner deems the following species election requirement to be necessary.

5. Also note the following from MPEP 818.02(b): Where only generic claims are first presented and prosecuted in an application in which no election of a single invention has been made, and applicant later presents species claims to more than one species of the invention, *he or she must at that time indicate an election of a single species*. Since no election has been made and the newly added/amended claims contain different species, the following requirement is set forth.

6. Claims 19-38 remain withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to non-elected inventions. Election was made **without** traverse in Paper No. 14 (for Groups III-V, claims 19-38).

7. Claims 10-18 and 39-45 are under consideration in this Office Action.

Election/Restriction

8. This application contains claims directed to patentably distinct species of the claimed invention. An election of species is required as set forth below.

9. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, even though this requirement is traversed. Election from the following species is required. One election from *each* group below is required. No claims are generic to all species.

Receptor

Two separate elections are required:

Number of receptors

- (1) less than five (e.g. claims 39 and 41)
- (2) five or more required (e.g. claims 10-18, 40, 42-45)

Type of receptor

Applicant is required to elect, for purposes of search, a ***specific*** type of receptor. The election should result in both the identification of the type of receptor(s) present and if there is more than one receptor how they differ from each other.

“Collective ligand variant population”

Two separate elections are required:

Tagging

Applicant is required to elect if the “collective ligand variant population” is tagged or not and the nature of the tags. See claims 17 and 39.

Type of “collective ligand variant population” (e.g. claims 40-45)

- (1) Polypeptide
- (2) Nucleic acid
- (3) Carbohydrate
- (4) Lipid
- (5) Organic-derived compound

10. The species are distinct, each from the other, because their structures and modes of action are different. They would also differ in their reactivity and the starting materials from which they are made. Therefore, the groups have different issues regarding patentability and represent patentably distinct subject matter.

11. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

12. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

13. Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

14. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

15. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

16. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

17. Applicant is also reminded that a 1 - month (not less than 30 days) shortened statutory period will be set for response when a written requirement is made without an action on the merits. This period may be extended under the provisions of 37 CFR 1.136(a). Such action will not be an "action on the merits" for purposes of the second action final program, see MPEP 809.02(a).

18. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maurie Garcia Baker, Ph.D. whose telephone number is (703) 308-0065. The examiner can normally be reached on Monday-Thursday from 9:00 to 6:30 and alternate Fridays.

19. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. McKane, can be reached on (703) 308-4537. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-4242. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0196.

Maurie Garcia Baker, Ph.D.
August 14, 2002

A handwritten signature in black ink, consisting of stylized, overlapping loops and a long horizontal stroke extending to the right.

**MAURIE GARCIA BAKER, Ph.D.
PATENT EXAMINER**



RESTRICTION ELECTION FACSIMILE TRANSMISSION

DATE:

FROM/ATTORNEY:

FIRM:

PAGES, INCLUDING COVERSHEET:

PHONE NUMBER:

TO EXAMINER: Maurie Garcia Baker, Ph.D.

ART UNIT: 1627

SERIAL NUMBER:

FAX/TELECOPIER NUMBER: (703) 308-4315

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FOR RESPONSES TO RESTRICTIONS.**

COMMENTS: _____

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